

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2005/000369

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 G21C 9/016**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1947

Korean Utility models and applications for Utility models since 1947

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 4-286994 A (HITACHI LTD) 12 OCTOBER 1992 the entire document	1
A	US 4382907 A (Marcel Robin) 10 MAY 1983 abstract	1

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

08 JULY 2005 (08.07.2005)

Date of mailing of the international search report

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR2005/000369

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US04382907	10.05.1983	EP0006802A1 EP6802B1 ES481818A5 FR2429478A1 FR2429478B1 JP55007692A2	09.01.1980 20.10.1982 12.09.1980 18.01.1980 26.03.1982 19.01.1980
JP04286994	12.10.1992	None	